

Project Title	Funding	Strategic Plan Objective	Institution
ACE Network: Early biomarkers of autism spectrum disorders in infants with tuberous sclerosis	\$2,649,781	Q1.L.A	Boston Children's Hospital
Clinical and behavioral phenotyping of autism and related disorders	\$2,241,297	Q1.L.B	National Institutes of Health
Physical and clinical infrastructure for research on infants at risk for autism	\$1,549,665	Q1.L.A	Emory University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$1,314,749	Q1.L.B	Georgia Tech Research Corporation
Early detection of pervasive developmental disorders	\$992,563	Q1.S.A	University of Connecticut
Neurobehavioral research on infants at risk for SLI and autism	\$944,962	Q1.L.A	Boston University
Toward outcome measurement of anxiety in youth with autism spectrum disorders	\$829,922	Q1.L.B	Yale University
Autism: Social and communication predictors in siblings	\$805,136	Q1.L.A	Kennedy Krieger Institute
Intelligent data capture and assessment technology for developmental disabilities	\$744,906	Q1.S.B	Caring Technologies, Inc.
Predicting useful speech in children with autism	\$726,467	Q1.L.B	Vanderbilt University Medical Center
Social-affective bases of word learning in fragile X syndrome and autism	\$703,969	Q1.Other	University of California, Davis
Gene dosage imbalance in neurodevelopmental disorders	\$689,795	Q1.S.E	Weis Center for Research - Geisinger Clinic
Subtyping of toddlers with ASD based on patterns of social attention deficits	\$665,455	Q1.L.B	Yale University
Social-emotional development of infants at risk for autism spectrum disorders	\$662,677	Q1.L.B	University of Washington
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$600,658	Q1.L.B	Carnegie Mellon University
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$600,000	Q1.L.B	Massachusetts Institute of Technology
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$600,000	Q1.L.B	University of Illinois at Urbana Champaign
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$600,000	Q1.L.B	University of Southern California
Early quantitative characterization of reciprocal social behavior	\$590,421	Q1.L.C	Washington University in St. Louis
Infants at risk of autism: A longitudinal study	\$587,150	Q1.L.A	University of California, Davis
fcMRI in infants at high risk for autism	\$584,566	Q1.L.A	Washington University in St. Louis
ACE Center: Assessment Core	\$510,544	Q1.L.A	Yale University
RNA expression studies in autism spectrum disorders	\$500,000	Q1.L.A	Boston Children's Hospital

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Test of integrated language and literacy skills validation research	\$496,164	Q1.Other	Western Michigan University
Computer Assisted Autism Care (CAAC)	\$490,038	Q1.S.B	Indiana University-Purdue University Indianapolis
The ontogeny of social visual engagement in infants at risk for autism	\$473,149	Q1.L.A	Emory University
Sensory experiences in children with autism	\$472,116	Q1.Other	University of North Carolina at Chapel Hill
E-Quality Measures development	\$450,000	Q1.S.C	MITRE
Multimedia tool for psychology graduate student ASD assessment training	\$447,062	Q1.S.A	Virtual Reality Aids, Inc.
Brain-behavior growth charts of altered social engagement in ASD infants	\$431,189	Q1.L.A	Yale University
Restricted repetitive behavior in autism	\$416,315	Q1.L.B	University of North Carolina at Chapel Hill
Development of face processing in infants with autism spectrum disorders	\$409,613	Q1.L.B	Yale University
Social evaluation in infants and toddlers	\$409,613	Q1.L.B	Yale University
Language development and outcome in children with autism	\$397,425	Q1.L.C	University of Connecticut
Neural economics of biological substrates of valuation	\$379,913	Q1.L.C	Virginia Polytechnic Institute and State University
Early social and emotional development in toddlers at genetic risk for autism	\$369,179	Q1.L.A	University of Pittsburgh
Extraction of functional subnetworks in autism using multimodal MRI	\$360,294	Q1.L.B	Yale University
Development of a novel biomarker test for autism risk screening	\$336,569	Q1.S.A	Xen Biofluidx, Inc.
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$313,753	Q1.L.B	Trustees of Boston University
Perception of social and physical contingencies in infants with ASD	\$312,944	Q1.L.B	Emory University
Development of intermodal perception of social events: Infancy to childhood	\$310,903	Q1.L.C	Florida International University
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	\$302,820	Q1.L.A	University of California, San Diego
The development of joint attention after infancy	\$291,832	Q1.L.C	Georgia State University
ACE Center: Eye-tracking studies of social engagement	\$287,074	Q1.L.B	Yale University
ACE Center: Gaze perception abnormalities in infants with ASD	\$286,420	Q1.L.A	Yale University
Growth charts of altered social engagement in infants with autism	\$273,481	Q1.L.A	Emory University

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Electrophysiological, metabolic and behavioral markers of infants at risk	\$273,152	Q1.L.A	Boston Children's Hospital
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	\$272,164	Q1.L.A	University of California, San Diego
Divergent biases for conspecifics as early markers for autism spectrum disorders	\$269,604	Q1.L.A	New York University
EEG complexity trajectory as an early biomarker for autism	\$261,000	Q1.L.A	Boston Children's Hospital
ACE Center: Auditory mechanisms of social engagement	\$257,504	Q1.Other	Yale University
The impact of uncertainty in genome-wide testing for autism spectrum disorder	\$240,000	Q1.S.E	University of Pennsylvania
Analyses of brain structure and connectivity in young children with autism	\$238,042	Q1.L.B	University of California, Davis
A network approach to the prediction of autism spectrum disorders	\$223,949	Q1.L.A	Indiana University
Developing fNIRS as a brain function indicator in at-risk infants	\$205,199	Q1.L.A	Birkbeck College
ACE Center: The ontogeny of social vocal engagement and its derailment in autism	\$201,683	Q1.L.A	Emory University
Gene dosage imbalance in neurodevelopmental disorders (supplement)	\$195,000	Q1.S.E	Weis Center for Research - Geisinger Clinic
Sensor-based technology in the study of motor skills in infants at risk for ASD	\$191,070	Q1.L.A	University of Pittsburgh
The use of interactive television in identifying autism in young children	\$188,750	Q1.S.A	University of Kansas Medical Center
ACE Center: Neural assays and longitudinal assessment of infants at very high risk for ASD	\$186,019	Q1.L.A	University of California, Los Angeles
Sensory based CNS diagnostics for the clinic	\$181,885	Q1.S.B	University of North Carolina at Chapel Hill
Developmental social neuroscience in infants at-risk for autism	\$181,367	Q1.L.C	Yale University
Neural predictors of language function after intervention in children with autism	\$181,332	Q1.L.B	University of California, Los Angeles
Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism"	\$180,000	Q1.L.A	University of North Carolina at Chapel Hill
Reducing barriers to autism care in Latino children	\$179,521	Q1.S.C	Oregon Health & Science University
Translational developmental neuroscience of autism	\$168,116	Q1.L.B	New York University School of Medicine
The intersection of autism and ADHD	\$160,519	Q1.L.B	Washington University in St. Louis
An MEG investigation of neural biomarkers and language in nonverbal children with autism spectrum disorders	\$154,617	Q1.L.A	University of Colorado Denver

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Validation of web-based administration of the M-CHAT-R with Follow-up (M-CHAT-R/F)	\$149,999	Q1.S.B	Georgia State University
Biomarkers and diagnostics for ASD	\$149,600	Q1.S.A	Institute of Biotechnology
Sensory integration and language processing in autism	\$149,556	Q1.L.C	University of Rochester
Novel metabolic biomarker for autism spectrum disorder	\$148,327	Q1.S.E	Greenwood Genetic Center
Georgia Tech Non-Invasive Gaze Tracking Project	\$140,347	Q1.S.B	Georgia Tech Research Corporation
Intersensory perception of social events: Typical and atypical development	\$134,355	Q1.L.C	Florida International University
Electrophysiological correlates of cognitive control in autism	\$130,898	Q1.L.B	University of California, Davis
Using Parent Report to Identify Infants Who Are at Risk for Autism Spectrum Disorder (ASD)	\$128,314	Q1.S.B	University of North Carolina
Identification of candidate serum antibody biomarkers for ASD	\$118,338	Q1.L.B	University of Texas Southwestern Medical Center
Functional brain networks in autism and attention deficit hyperactivity disorder	\$112,359	Q1.L.B	Oregon Health & Science University
CAREER: Enabling community-scale modeling of human behavior and its application to healthcare	\$106,218	Q1.Other	Cornell University
Analysis of cultural appropriateness and necessary modifications of the Survey of Well Being for Young Children on Native American reservations	\$100,000	Q1.S.B	University of Colorado Denver
Components of limited activity monitoring in toddlers with ASD	\$82,896	Q1.L.B	Yale University
Looking at autism through the nose	\$75,000	Q1.L.C	Weizmann Institute of Science
Cultural equivalence of autism assessment for Latino children	\$74,250	Q1.S.B	University of Wisconsin - Madison
Mobilized technology for rapid screening and clinical prioritization of ASD	\$73,456	Q1.S.B	Harvard Medical School
Visual attention and fine motor coordination in infants at risk for autism	\$73,123	Q1.L.A	University of Connecticut
Extracellular signal-related kinase biomarker development in autism	\$60,889	Q1.L.B	Cincinnati Children's Hospital Medical Center - Research Foundation
Autism and the RASopathies	\$60,000	Q1.S.B	University of California, San Francisco
ERK signaling and autism: Biomarker development	\$60,000	Q1.L.B	University of California, San Francisco
Characterizing autism-related intellectual impairment and its genetic mechanisms	\$59,443	Q1.S.B	The Children's Hospital of Philadelphia
Measuring imitation and motor control in severe autism	\$59,256	Q1.L.C	University of Washington
Sensory experiences in children with autism (supplement)	\$51,920	Q1.Other	University of North Carolina at Chapel Hill

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Validity of an anxious subtype in autism spectrum disorders	\$50,294	Q1.L.B	University of California, Los Angeles
Validation of a screening questionnaire for ASD in older children	\$50,000	Q1.S.A	Southwest Autism Research & Resource Center (SARRC)
Intelligent data capture and assessment technology for developmental disabilities	\$50,000	Q1.S.A	Caring Technologies/Southwestern Autism Research & Resource Center (SARRC)
Baby Siblings Research Consortium	\$50,000	Q1.S.B	Autism Speaks (AS)
Family/genetic study of autism	\$50,000	Q1.L.A	Southwest Autism Research & Resource Center (SARRC)
Improved early detection of autism using novel statistical methodology	\$49,880	Q1.L.B	Yale University
ASD prevalence by DSM-IV and DSM-5: Total population study	\$44,660	Q1.Other	Nathan Kline Institute
South Carolina Children's Educational Surveillance Study: Comparison of DSM-IV & DSM-5 prevalence	\$43,198	Q1.Other	Medical University of South Carolina
Identifying early biomarkers for autism using EEG connectivity	\$40,000	Q1.L.A	Boston Children's Hospital
Social-emotional development of infants at risk for autism spectrum disorders (supplement)	\$39,002	Q1.L.B	University of Washington
Postural and vocal development during the first year of life in infants at heightened biological risk for AS	\$30,000	Q1.L.A	University of Pittsburgh
Neural correlates of social perception in autism	\$30,000	Q1.L.C	Yale Child Study Center
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	\$15,000	Q1.L.A	Harvard University
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	\$10,000	Q1.L.B	New England Center for Children
Leadership Education in Neurodevelopmental Disabilities	\$2,500	Q1.S.B	University of Alabama at Birmingham
Assessing the accuracy of rapid phenotyping of nonverbal autistic children	\$0	Q1.S.A	Kennedy Krieger Institute
Dissemination of multi-stage screening to underserved culturally-diverse families	\$0	Q1.S.C	University of Massachusetts, Boston
Biomarkers for autism and for gastrointestinal and sleep problems in autism	\$0	Q1.L.A	Yale University
Neurophysiological investigation of language acquisition in infants at risk for ASD	\$0	Q1.L.A	Boston University
Placental vascular tree as biomarker of autism/ASD risk	\$0	Q1.L.A	Research Foundation for Mental Hygiene, Inc.
Multiplexed suspension arrays to investigate newborn and childhood blood samples for potential immune biomarkers of autism	\$0	Q1.L.A	Centers for Disease Control and Prevention (CDC)

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Abnormal vestibulo-ocular reflexes in autism: A potential endophenotype	\$0	Q1.L.A	University of Florida
Dynamics of cortical interactions in autism spectrum disorders	\$0	Q1.L.A	Cornell University
Identification of lipid biomarkers for autism	\$0	Q1.L.A	Massachusetts General Hospital
Epigenetic biomarkers of autism in human placenta	\$0	Q1.L.A	University of California, Davis
Physical and clinical infrastructure for research on infants-at-risk for autism at Yale	\$0	Q1.L.A	Yale University
Serum antibody biomarkers for ASD	\$0	Q1.L.A	University of Texas Southwestern Medical Center
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
CDI-Type I: Understanding regulation of visual attention in autism through computational and robotic modeling	\$0	Q1.L.B	Yale University
A novel quantitative framework to study lack of social interactions in autism	\$0	Q1.L.B	Rutgers, The State University of New Jersey - New Brunswick
Family studies of sensorimotor and neurocognitive heterogeneity in autism spectrum disorders (ASD)	\$0	Q1.L.B	University of Texas Southwestern Medical Center
HCC: Medium: Automatic detection of atypical patterns in cross-modal affect	\$0	Q1.L.B	Oregon Health & Science University
Identifying neurobiological markers of the broader autism phenotype	\$0	Q1.L.B	University of Melbourne
Predicting outcomes in autism with functional connectivity MRI	\$0	Q1.L.B	National Institute of Mental Health
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	\$0	Q1.L.C	Johns Hopkins University
Characterizing ASD phenotypes by multimedia signal and natural language processing	\$0	Q1.L.C	Columbia University
Language learning in autism	\$0	Q1.L.C	Georgetown University
Prosodic and pragmatic processes in highly verbal children with autism	\$0	Q1.L.C	President & Fellows of Harvard College
Atypical pupillary light reflex in individuals with autism	\$0	Q1.Other	University of Missouri
INT2-Large: Collaborative research: Developing social robots	\$0	Q1.Other	University of Miami
Dissertation research: Translating diagnoses across cultures: Expertise, autism, and therapeutics of the self in Morocco	\$0	Q1.Other	Columbia University
INT2-Large: Collaborative research: Developing social robots	\$0	Q1.Other	University of California, San Diego

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Social and statistical mechanisms of prelinguistic vocal development	\$0	Q1.Other	Cornell University

